

Form PTO-1449 (modified)

Atty. Docket No.
UTSK:352USC1Serial No.
10/620,795

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant
Alan G. Barbour
Carol CarterFiling Date:
July 14, 2003Group:
UnknownU.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
See Page 1

U.S. Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Name | Class | Sub Class | Filing Date of App. |
|-------------|-----------|-----------------|----------|-----------------------|-------|-----------|---------------------|
| 00 | A1 | 5,279,938 | 01/18/94 | Rosa | 435 | 6 | 5/18/92 |
| 00 | A2 | 5,283,175 | 02/01/94 | Weaver <i>et al.</i> | 435 | 6 | 4/15/91 |
| 00 | A3 | 5,618,533 | 4/8/97 | Flavell <i>et al.</i> | 424 | 184 | 12/10/93 |

Foreign Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Country | Class | Sub Class | Translation Yes/No |
|-------------|-----------|-----------------|----------|----------|-------|-----------|--------------------|
| 00 | B1 | 0 421 725 A1 | 04/10/91 | European | | | |
| 00 | B2 | WO 91/19814 | 12/26/91 | PCT | | | |
| 00 | B3 | WO 92/00055 | 01/09/92 | PCT | | | |
| 00 | B4 | WO 92/12235 | 07/23/92 | PCT | | | |

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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| 00 | C1 | "Lyme Disease Surveillance - United States, 1989-1990," <i>MMWR</i> , 40(25), June 1991. |
| | C2 | "Tickborne Diseases - Georgia, 1989," <i>MMWR</i> , 39(23):397-399, June 1990. |
| | C3 | Barbour and Hayes, "Biology of <i>Borrelia</i> Species," <i>Microbiological Reviews</i> , 50(4):381-400, December 1986. |
| | C4 | Barbour <i>et al.</i> , "A <i>Borrelia</i> -Specific Monoclonal Antibody Binds to a Flagellar Epitope," <i>Infection and Immunity</i> , 52(5):549-554, May 1986. |
| | C5 | Barbour, "Isolation and Cultivation of Lyme Disease Spirochetes," <i>The Yale Journal of Biology and Medicine</i> , 57:521-525, 1984. |
| 00 | C6 | Berland <i>et al.</i> , "Molecular Characterization of the Humoral Response to the 41-Kilodalton Flagellar Antigen of <i>Borrelia burgdorferi</i> , the Lyme Disease Agent," <i>Infection and Immunity</i> , 59(10):3531-3535, October 1991. |

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EXAMINER: /Oluwatosin Ogunbiyi/ (09/26/2008) DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



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|-------------|-----------|--|
| 00 | C7 | Bloemer <i>et al.</i> , "Management of Lone Star Ticks (Acari: Ixodidae) in Recreational Areas with Acaricide Applications, Vegetative Management, and Exclusion of White-Tailed Deer," <i>Journal of Medical Entomology</i> , 27(4):543-550, July 1990. |
| | C8 | Boehringer Mannheim Biochemicals, Catalog pp. 502- and B-7—B-8, 1991. |
| | C9 | Fukunaga <i>et al.</i> , "Genetic and Phenotypic Analysis of <i>Borrelia Miyamotoi</i> sp. nov., Isolated from the Ixodid Tick <i>Ixodes Persulcatus</i> , the Vector for Lyme Disease in Japan," <i>International Journal of Systematic Bacteriology</i> , 45(4):804-810, October 1995. |
| | C10 | Gassmann <i>et al.</i> , "Analysis of the <i>Borrelia burgdorferi</i> GeHo fla gene and antigenic characterization of its gene product," <i>J. Bacteriology</i> , 173:1452-1459, 1991. |
| | C11 | Hansen <i>et al.</i> , "Measurement of Antibodies to the <i>Borrelia burgdorferi</i> Flagellum Improves Serodiagnosis in Lyme Disease," <i>Journal of Clinical Microbiology</i> , 26(2):338-346, February 1988. |
| | C12 | Hansen, "Lyme Neuroborreliosis: Improvements of the Laboratory Diagnosis and a Survey of Epidemiological and Clinical Features in Denmark 1985-1990," <i>Acta Neurol. Scand. Supple. (DENMARK)</i> , 151:1-44, 1994. |
| | C13 | International Search Report dated August 27, 1996. |
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| | C15 | Kennell <i>et al.</i> , "Principles and practices of nucleic acid hybridization," <i>Prog. Nuc. Acid Res. Mol. Biol.</i> , 11:259-301, 1971. |
| | C16 | Kocan <i>et al.</i> , "Isolation of <i>Borrelia-burgdorferi</i> (Spirochaetales: Spirochaetaceae) from <i>Ixodes scapularis</i> and <i>Dermacentor albipictus</i> Ticks (Acari: Ixodidae) in Oklahoma," <i>Journal of Medical Entomology</i> , 29(4):630-633, July 1992. |
| | C17 | Maina <i>et al.</i> , "An <i>Escherichia coli</i> vector to express and purify foreign proteins by fusion to and separation from maltose-binding protein," <i>Gene</i> , 74:365-373, 1988. |
| 00 | C18 | Marconi <i>et al.</i> , "Phylogenetic Analysis of the Genus <i>Borrelia</i> : a Comparison of North American and European Isolates of <i>Borrelia Burgdorferi</i> ," <i>Journal of Bacteriology</i> , 174(1):241-244, January 1992. |

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| 00 | C20 | Masters, "Erythema Migrans. Rash as Key to Early Diagnosis of Lyme Disease," <i>Postgraduate Medicine</i> , 94(1):133-142, July 1993. |
| | C21 | Maupin <i>et al.</i> , "Landscape Ecology of Lyme Disease in a Residential Area of Westchester County, New York," <i>American Journal of Epidemiology</i> , 133(11):1105-1113, 1991. |
| | C22 | Mukolwe <i>et al.</i> , "Attempted Transmission of <i>Borrelia-burgdorferi</i> (Spirochaetales: Spirochaetaceae) (JDI Strain) by <i>Ixodes-scapularis</i> (Acari: Ixodidae), <i>Dermacentor-variabilis</i> , and <i>Amblyomma-americanum</i> ," <i>Journal of Medical Entomology</i> , 29(4):673-677, July 1992. |
| | C23 | Noppa <i>et al.</i> , "Expression of the Flagellin Gene in <i>Borrelia</i> is Controlled by an Alternative σ Factor," <i>Microbiology</i> , 141:85-93, 1995. |
| | C24 | Oliver <i>et al.</i> , "Isolation and Transmission of the Lyme Disease Spirochete From the Southeastern United States," <i>Proc. Natl. Acad. Sci. USA</i> , 90:7371-7375, August 1993. |
| | C25 | Piesmand and Sinsky, "Ability of <i>Ixodes scapularis</i> , <i>Dermacentor variabilis</i> , and <i>Amblyomma americanum</i> (Acari: Ixodidae) to Acquire, Maintain, and Transmit Lyme Disease Spirochetes (<i>Borrelia burgdorferi</i>)," <i>Journal of Medical Entomology</i> , 25(5):336-339, December 1988. |
| | C26 | Relman, "The Identification of Uncultured Microbial Pathogens," <i>The Journal of Infectious Diseases</i> , 168:1-8, July 1993. |
| | C27 | Ryder <i>et al.</i> , "Inability of <i>Ixodes cookei</i> and <i>Amblyomma americanum</i> Nymphs (Acari: Ixodidae) To Transmit <i>Borrelia burgdorferi</i> ," <i>Journal of Medical Entomology</i> , 29(3):525-530, May 1992. |
| | C28 | Schulze <i>et al.</i> , <i>Amblyomma americanum</i> : A Potential Vector of Lyme Disease in New Jersey," <i>Science</i> , 224:601-603, May 1984. |
| | C29 | Sigal and Curran, "Lyme Disease: A Multifocal Worldwide Epidemic," <i>Annu. Rev. Publ. Health</i> , 12:85-109, 1991. |
| 00 | C30 | Sloma <i>et al.</i> , "Cloning and characterization of the gene for an additional extracellular serine protease of <i>Bacillus subtilis</i> ," <i>J. Bacteriology</i> , 173:6889-6895, 1991. |

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